



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sandberg et al. Examiner: Borin  
Serial No.: 09/580,156 Art Unit: 1631  
Filed: May 30, 2000 Docket No.: 25812-5-CIP  
Title: ELASTIN PEPTIDE ANALOGS AND USES THEREOF

JUL 12 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TECH CENTER 1600/2900

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

1. This Information Disclosure Statement is filed in accordance with 36 C.F.R. §§ 1.56, 1.97 and 1.98. The items listed on the enclosed Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.
2. Pursuant to 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made.
3. Pursuant to 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed as an admission that the information cited in this Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).
4. Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed:

( ) within 3 months of the filing date of a national application; or

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It is believed that statements filed within the foregoing periods require neither a fee nor a certification.

The Commissioner is hereby authorized to charge any additional fees required for consideration of this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 02-2051, identifying our Docket No. 25812-5-CIP.

Respectfully Submitted,

Dated:

8/14/03

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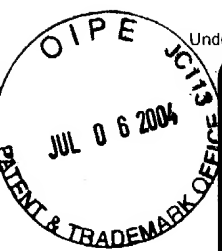
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

### Complete if Known

Application Number	09/580,156
Filing Date	05-30-2000
First Named Inventor	Sandberg, et al.
Group Art Unit	1631
Examiner Name	Borin, M
Attorney Docket Number	25812-5-CIP

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	4,327,078		Charlet et. al.	04/27/1982	
	AB	4,816,513		Bridgham et al.	03/28/1989	
	AC	4,668,476		Bridgham et al.	05/26/1987	
	AD	4,983,382		Wilmott et al.	01/08/1991	
	AE	5,140,043		Darr et al.	08/18/1992	
	AF	5,122,536		Perricone	06/16/1992	
	AG	4,891,227		Thaman et al.	01/02/1990	
	AH	4,891,228		Thaman et al.	01/02/1009	
	AI	4,603,146		Kligman	07/29/1986	
	AJ	4,877,805		Kligman	10/31/1989	
	AK	4,474,763		Lubowe	10/02/1984	
	AL	4,591,501		Cioca	05/27/1986	
	AM	4,659,740		Usher	04/21/1987	
	AN	4,963,656		Mitani	10/16/1990	
	AO	5,017,691		Lee	05/21/1991	
	AP	5,079,003		Scaffidi et al.	01/07/1992	
	AO	5,223,420		Rabaud et al.	06/29/1993	
	AR	5,523,291		Janzen et al.	06/04/1996	
	AS	5,648,209		Avrameas et al.	07/15/1997	
	AT	5,736,537		Gubernick et al.	04/07/1998	

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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AU	JP	08/225.594		Yamauchi et al.	03/09/1993		
	AV	WO	94/08588 A1		Conservatoire National ...	04/28/1994		
	AW	WO	96/35428 A1		Conservatoire National ...	11/14/1996		

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	BA	6,025,347		Gubernick et al.	02/15/2000	
	BB	5,945,409		Crandall et al.	08/31/1999	
	BC					
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Sheet

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Application Number 09/580,156

Filing Date 05-30-2000

First Named Inventor Sandberg et al.

Group Art Unit 1631

Examiner Name Borin, M

Attorney Docket Number 25812-5-CIP

## **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BA	Heiber, A.D. et al., Detection of Elastin in the Human Fetal Membranes: Proposed Molecular Basis for Elasticity; Placenta; vol. 18; pp. 301-312; 1997.	
	BB	Gibson, M.A. et al., Further Characterization of Proteins Associated with Elastic Fibre Microfibrils Including the Molecular Cloning of MAGP-2 (MP25); The Journal of Biological Chemistry; vol. 271, No. 2 pp. 1096-1103; Jan. 12, 1996.	
	BC	Price, L.S.C. et al., Valyl-Alanyl-Prolyl-Glycine (VAPG) Serves as a Quantitative Marker for Human Elastins; Matrix; vol. 13 pp. 307-311; 1993.	
	BD	Blankenship, J.W. et al., Oxysterol Incorporation Into Rat Aorta Resulting in Elastin Compositional Changes; Lipids; vol. 26, No. 5; pp. 381-384; 1991.	
	BE	Sandberg, L.B. et al., Quantitation of Elastin in Tissues and Culture: Problems Related to the Accurate Measurement of Small Amounts of Elastin With Special Emphasis on the Rat; Connective Tissue Research; vol. 25, pp. 139-148; 1990.	
	BF	Sandberg, L.B. et al., Structural Guidelines for an Acceptable Elastin and Tropoelastin: Application Towards Quantitation of Elastin Accumulation in Tissue Culture; Elastin: Chemical and Biological Aspects (Reprinted); pp. 22-24; 1009.	
	BG	Sandberg, L.B. et al., Quantitation of Elastin Through Measurement of Its Pentapeptide Content; Biochemical and Biophysical Research Communications; vol. 136, No.2 pp. 672-678; Apr. 29, 1986.	
	BH	Database Caplus, AN 108:167920. Bayer et al. Z. Naturforsch., C: Biosci, 42(4), 455-60), Apr. 1987.	
	BI	Hunninghake et al. Science, 212, 925-927, May 1981.	
	BJ	Database Caplus, DN 127:219499. Morrelli et al. J. Pept. Res., 49 (6), 429-499, Jun. 1997.	
	BK	Database Caplus, DN 122:102414. Bisaccia et al. Int. J. Pept. Res, 44, 332-341, Apr. 1994.	

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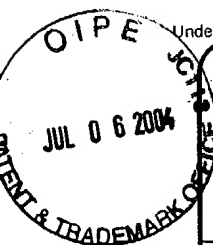
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	TECH CENTER 100/2000
	CA	Database CAPLUS, AN 115:65185, DOI, R. et al., Effects of synthetic human pancreastatin on pancreatic secretion and blood flow in rats and dogs. Peptides. 1991, vol. 12(3), pages 449-502.	
	CB	Database CAPLUS, AN 107:54378, RAJU, K. et al., Primary structure of bovine elastin a, b, and c deduced from the sequences of cDNA clones. J. Biol. Chem., 1987, 262(12), pages 5755-5762.	
	CC	Database CAPULS, AN 107:191131, CHARTEN et al. QSAR for peptide bioactivities. Further studies. Pharmacochem. Libr. 1987, vol. 10, pages 285-290.	
	CD	Database CAPULS, 129:187343, LOGRANO, M. et al., Identification of elastin peptides with vasorelaxant activity on rat thoracic aorta. Int. J. Biochem. Cell Biol., 1998, vol. 30 pages 497-503.	
	CE	FERRANCE, J., Examiner's first report on patent application no. 30854/99 by Connective Tissue Imagineering LLC, 2001.	

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